

**IN THE SPECIFICATION:**

On page 1, line 2 please insert a heading as follows:

**FIELD OF THE INVENTION**

On page 2, line 6 please insert a heading as follows:

**BACKGROUND**

On page 2, line 13 please insert a heading as follows:

**SUMMARY**

On page 5, line 16, please insert a heading as follows:

**BRIEF DESCRIPTION OF THE DRAWINGS**

On page 6, above line 1, please insert a heading as follows:

**DETAILED DESCRIPTION**

)

Please amend the Abstract at page 23 as follows:

The invention relates to an apparatus 1 for the flow-through treatment of chemical substances in a microwave field, having a microwave chamber 9, in which microwave radiation acts on the substances, and a flow-through container 12, which extends at least partly in the microwave chamber 9 and in which the substances move in translatory fashion. In order to achieve a simple design while ensuring efficient connections, a device for spirally guiding the substances in the flow-through container 12 is provided.

(Fig. 1)